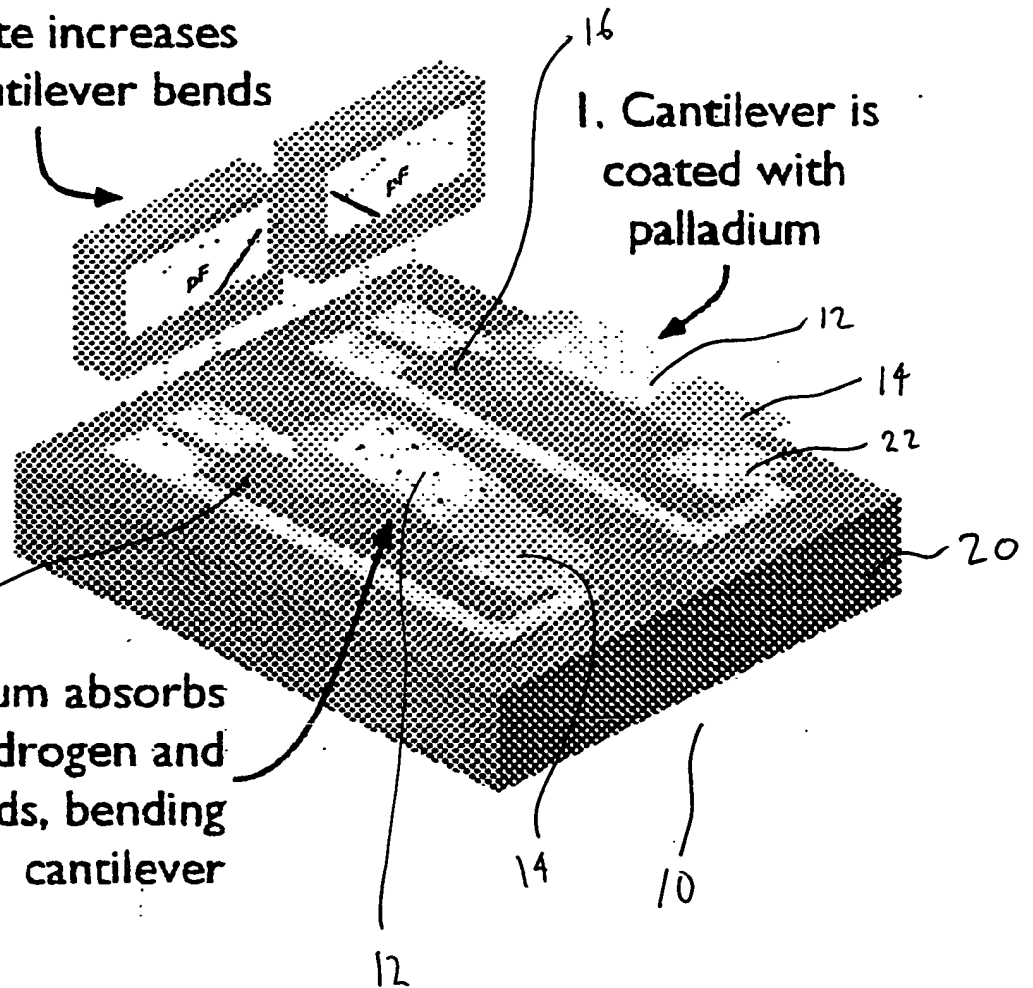


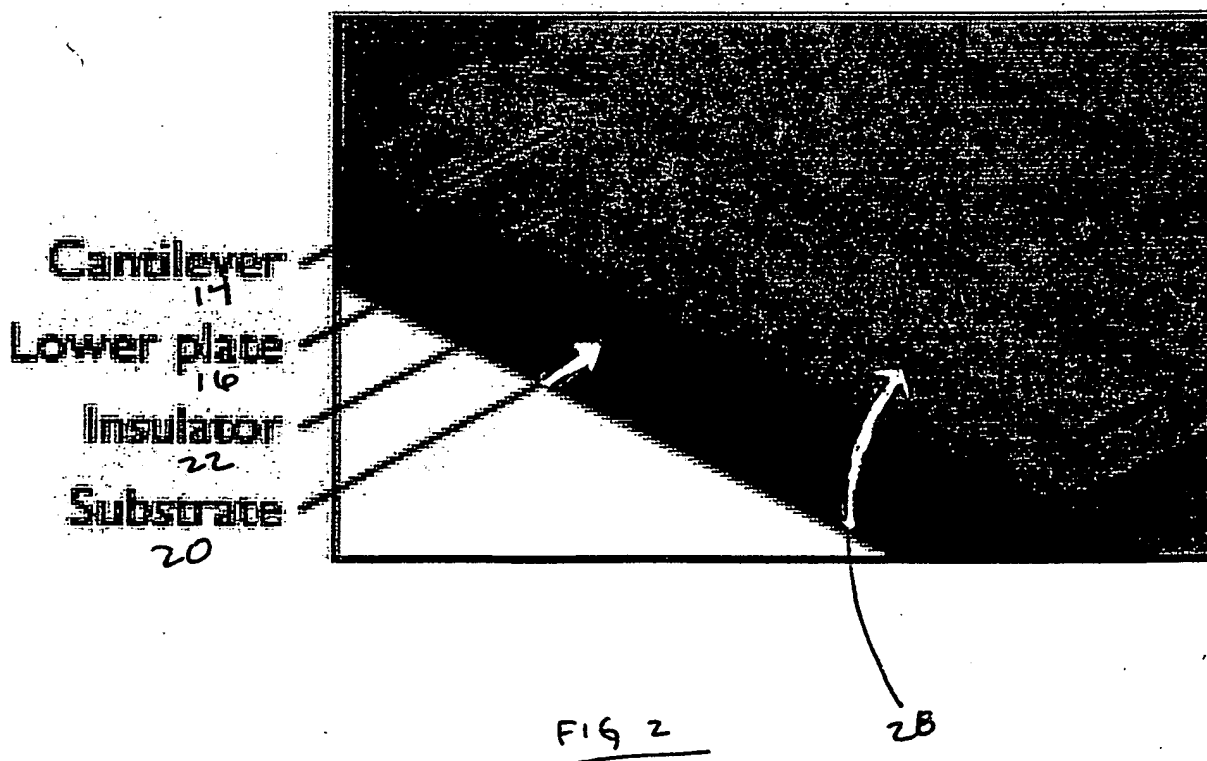
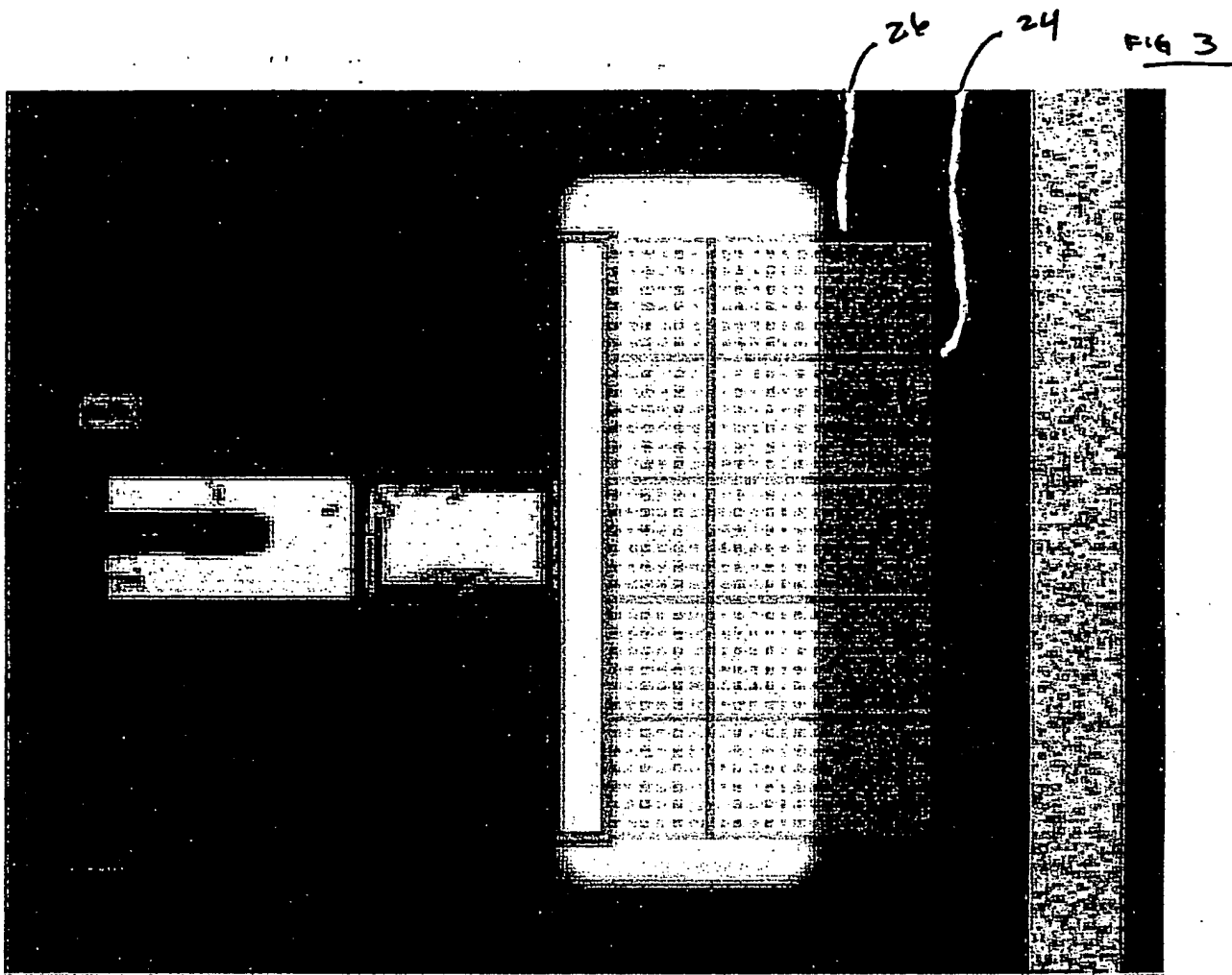
3. Capacitance  
between cantilever and  
baseplate increases  
when cantilever bends

1. Cantilever is  
coated with  
palladium

2. Palladium absorbs  
hydrogen and  
expands, bending  
cantilever

Fig. 1.





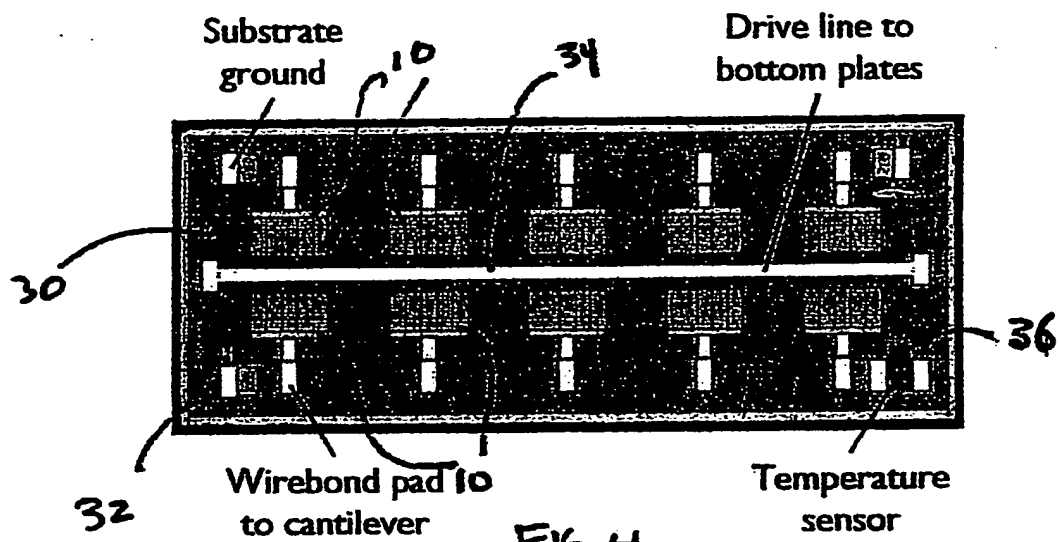


FIG 4

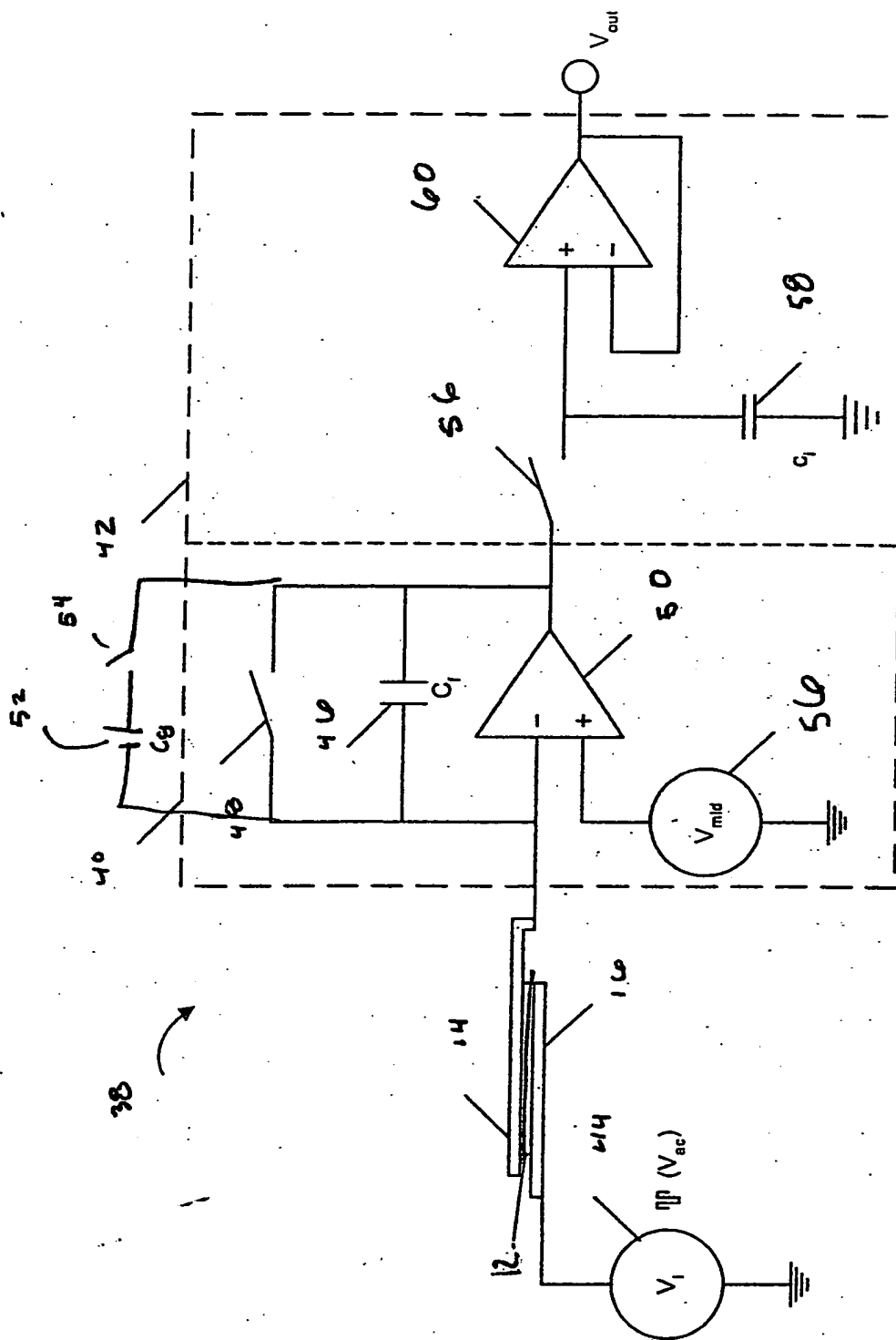


FIG. 5

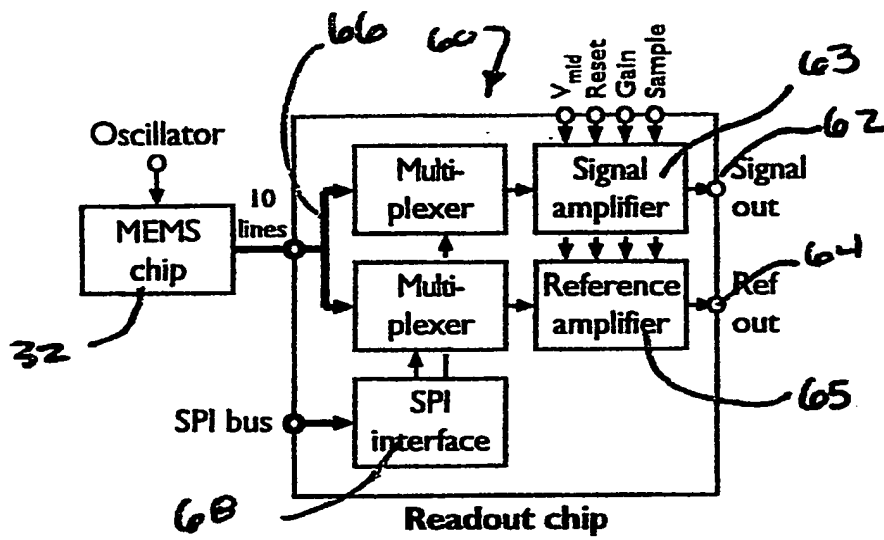


FIG 6

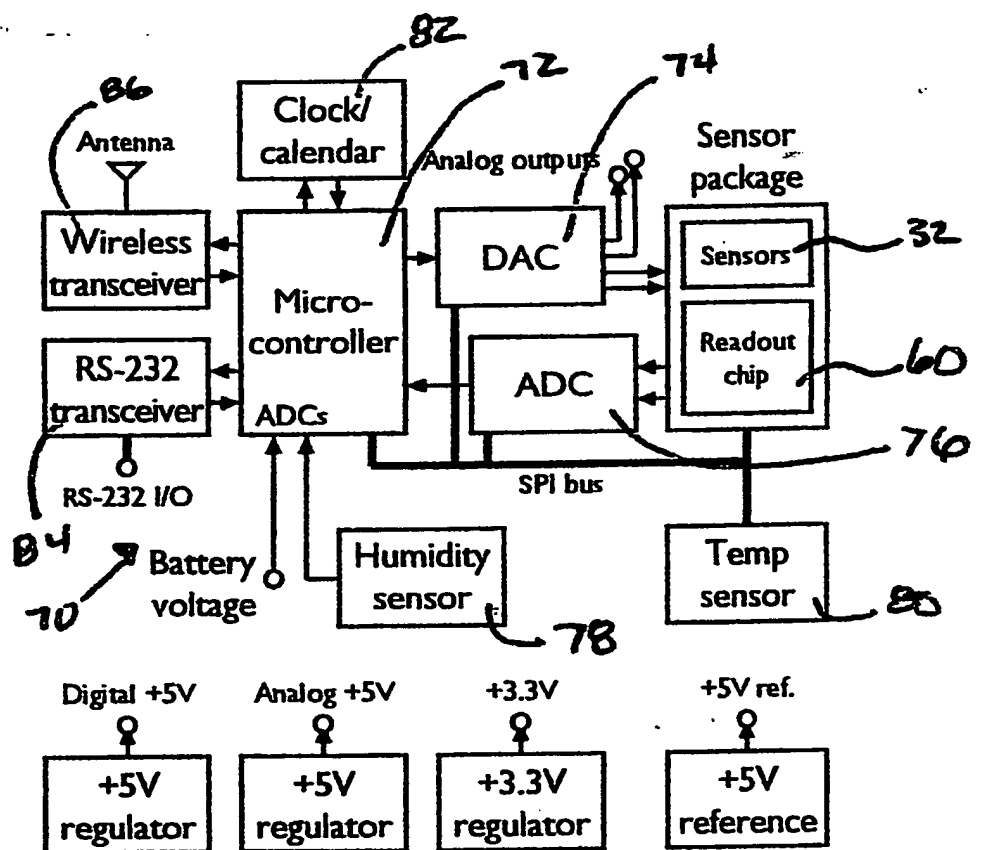


FIG 7

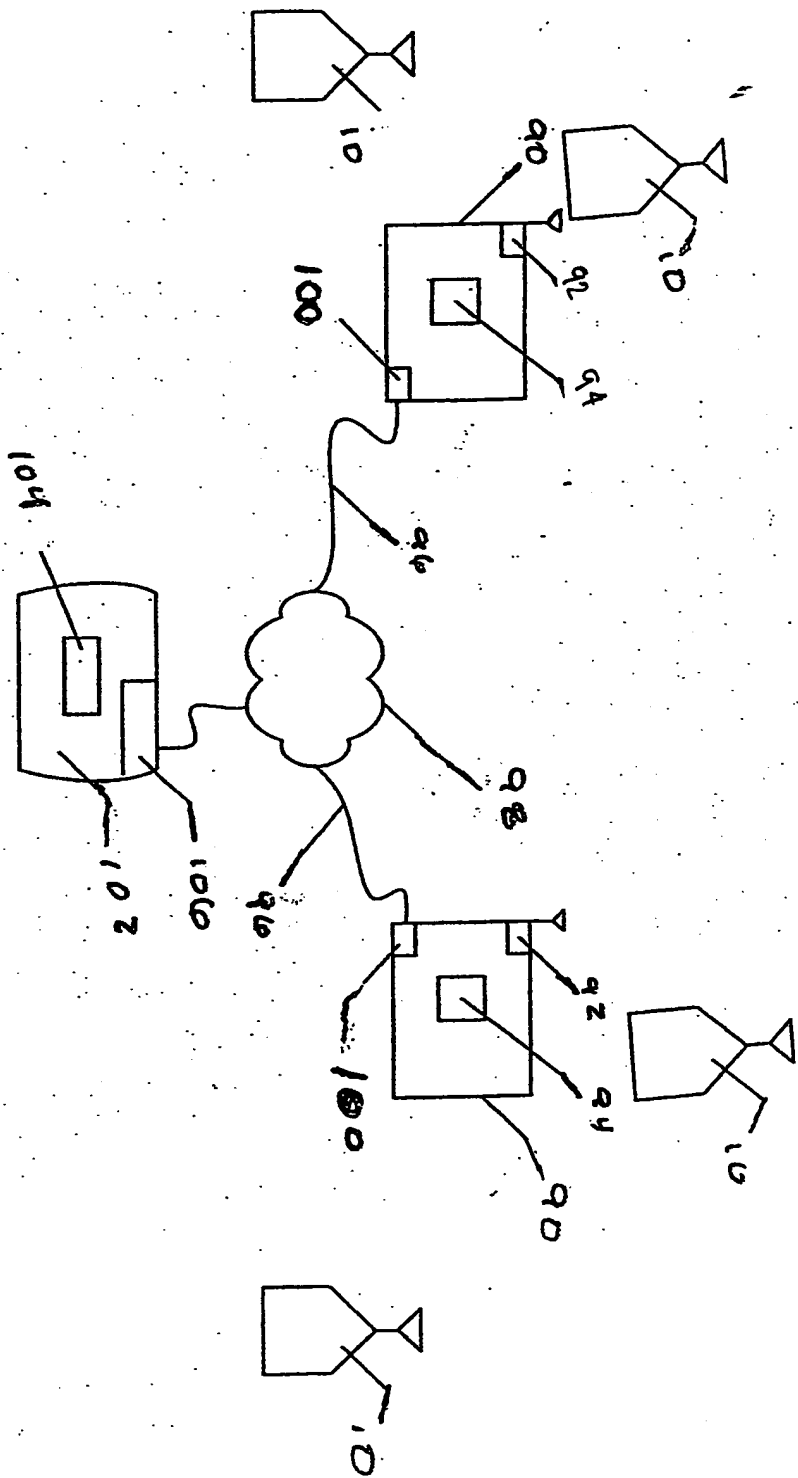


FIG. 8